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The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

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Washington, D.C. 20005
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FOR THE MONTH AND PERIOD ENDED

FEBRUARY 28, 1991

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING & THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

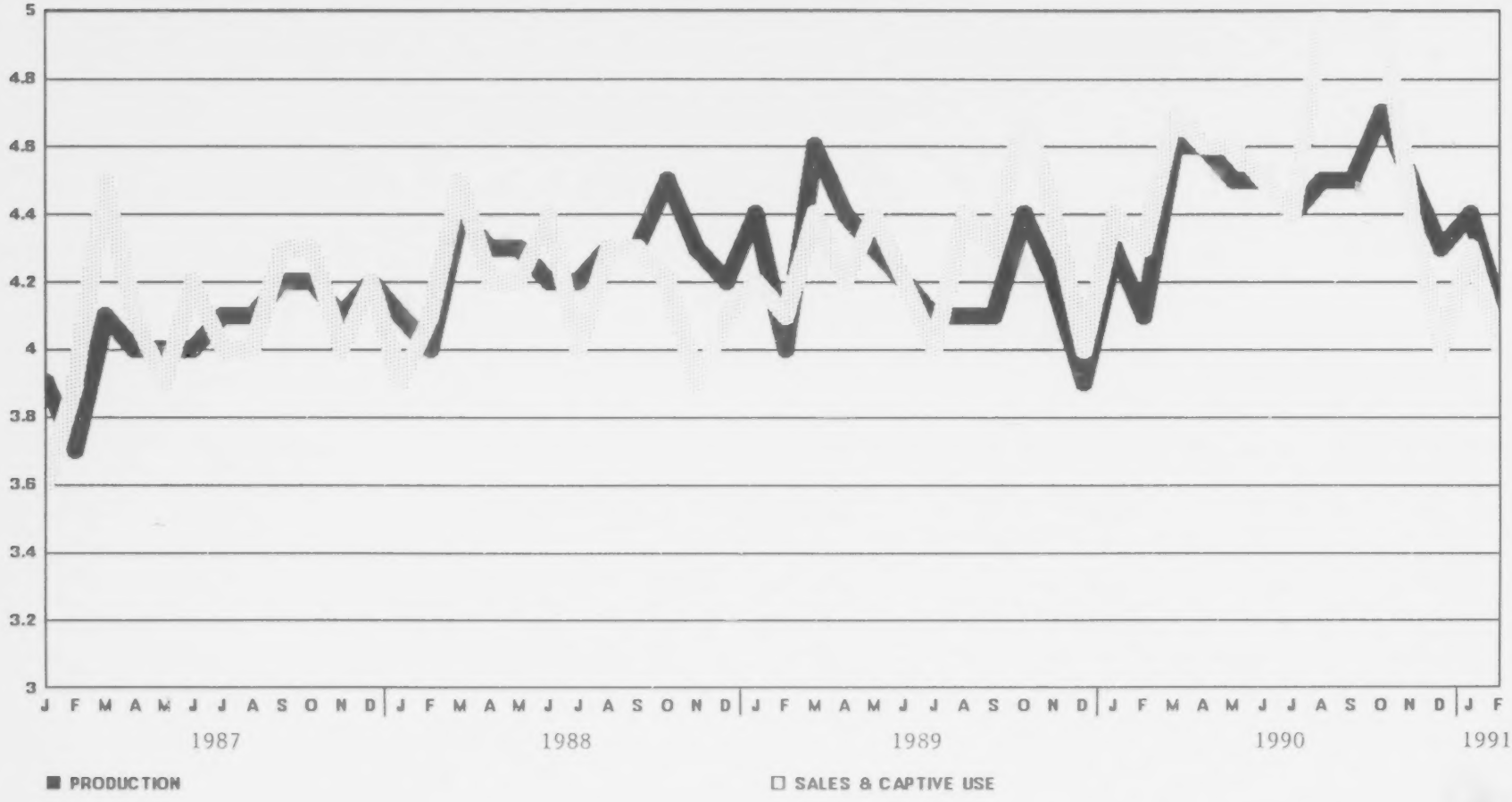
Release Date: April 16, 1991

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(BILLIONS OF POUNDS)

FEBRUARY 1991



THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

MONTHLY STATISTICAL REPORT

(Thousands of pounds, dry weight basis)(1)

FEBRUARY 1991

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	% CHG	1991	1990	% CHG	1991	1990	% CHG
EPOXY RESIN, TOTAL	35,322	37,230	-5.1	76,387	76,600	-0.3	35,750	47,085	-24.1	75,617	83,019	-8.9
POLYESTER (UNSATURATED) RESINS, TOTAL	77,987	104,278	-25.2	166,300	212,976	-21.9	77,413	106,725	-27.5	165,902	216,664	-23.4
UREA RESINS, TOTAL	111,524	122,909	-9.3	232,517	254,026	-8.5	111,894	123,101	-9.1	233,298	253,894	-8.1
MELAMINE RESINS, TOTAL	13,754	12,281	12.0	27,948	25,963	7.6	15,738	14,665	5.9	32,620	30,385	7.4
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	192,336	235,244	-18.2	419,946	490,973	-14.5	191,353	235,377	-18.7	421,943	491,603	-14.2
THERMOSETTING RESINS, TOTAL	430,923	511,942	-15.8	923,098	1,060,538	-13.0	432,148	527,153	-18.0	929,380	1,075,565	-13.6
LOW-DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	533,084	551,397	-3.3	1,090,671	1,139,429	-4.3	575,780	560,914	2.7	1,087,563 R	1,144,602	-5.0
LINEAR-LOW DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	328,767	364,537	-9.8	707,430 R	700,033	1.1	317,211	271,984	16.6	653,941 R	548,561	19.2
HIGH-DENSITY POLYETHYLENE (ABOVE 0.940), TOTAL (6)	655,943	635,209	3.3	1,362,584 R	1,301,098	4.7	695,905	616,203	19.4	1,385,304	1,251,108	16.1
POLYPROPYLENE, TOTAL (6)	607,372	658,577	-7.8	1,276,992	1,362,729	-6.3	638,573	666,423	-4.2	1,340,210 R	1,336,198	0.3
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	74,314	85,918	-13.5	168,664	177,617	-5.0	76,409	77,563	-1.5	166,084	169,727	-2.1
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	9,092	9,447	-3.8	19,806	20,266	-2.3	9,515	10,025	-5.1	19,829	20,420	-2.9
POLYSTYRENE RESINS, TOTAL	347,467	456,870	-23.9	736,797 R	893,404	-17.5	384,533	371,984	3.4	770,823	789,017	-2.3
STYRENE BASED LATEXES, TOTAL **	77,767	85,594	-9.1	166,342	174,589	-4.7	77,368	76,583	1.0	161,671	164,864	-1.9
OTHER STYRENICS, TOTAL (40% or More Styrene)	12,108	10,728	12.9	24,849	23,230	7.0	12,107	10,030	20.7	24,125	23,245	3.8
NYLON RESINS (6)	51,476	43,494	18.4	97,550	87,562	11.4	43,499	42,245	3.0	88,040	90,414	-2.6
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	685,030	772,246	-11.3	1,396,090	1,517,640	-8.0	718,293	725,199	-1.0	1,445,437	1,447,076	-0.1
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
POLYVINYL ALCOHOL, TOTAL (3)	D	D		D	D		D	D		D	D	
OTHER VINYL RESINS (4)	17,134	16,731	2.4	31,117	34,186	-9.0	14,700	20,230	-27.3	31,447	40,359	-22.1
THERMOPLASTIC POLYESTER, TOTAL (6)	141,327	138,793	1.8	310,238	281,251	10.3	138,972	138,898	0.1	307,222	276,467	11.1
THERMOPLASTIC RESINS, TOTAL	3,540,881	3,829,541	-7.5	7,389,130 R	7,713,008	-4.2	3,702,865	3,588,281	3.2	7,481,696 R	7,302,058	2.5
GRAND TOTAL	3,971,804	4,341,483	-8.5	8,312,228 R	8,773,546	-5.3	4,135,013	4,115,434	0.5	8,411,076 R	8,377,623	0.4

(1) = Except phenolic resins which are reported on a gross weight basis.

** = Sales and Captive Use figures include some Canadian produced materials.

(2) = The publishing of PVAC has been suspended.

D = Disclosure.

N/A = Not Available.

(3) = The publishing of PVOH data has been suspended.

(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

(6) = Data Includes Sales from Imports.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

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THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	% CHG	1991	1990	% CHG	1991	1990	% CHG
EPOXY RESIN, TOTAL	35,322	37,230	-5.1	76,387	76,600	-0.3	35,750	47,085	-24.1	75,617	83,019	-8.9
Exports, Total	5,645	5,649	-0.1	15,454	13,243	16.7						
Captive Use, Total	1,262	1,548	-18.5	2,578	3,030	-14.9						
Domestic Sales, Total	28,415	30,033	-5.4	58,355	60,327	-3.3						
Domestic Sales & Captive Use,Total	29,677	31,581	-6.0	60,933	63,357	-3.8						
Bonding & Adhesives	2,259	2,271	-0.5	4,531	4,443	2.0						
Flooring, Paving & Exposed Aggregate	2,016	2,079	-3.0	3,925	4,212	-6.8						
Protective Coatings	13,618	15,359	-11.3	28,656	30,569	-6.3						
Fiber Reinforced Laminates & Composites	6,509	6,990	-6.9	12,884	13,913	-7.4						
FRL&C for Printed Wiring Board	3,855	4,771	-19.2	7,813	9,392	-16.8						
All Other FRL&C	2,654	2,219	19.6	5,071	4,521	12.2						
Tooling, Casting & Molded Resins	2,280	2,144	6.3	4,484	4,096	9.5						
All Other Uses	2,995	2,738	9.4	6,453	6,124	5.4						
POLYESTER (UNSATURATED) RESINS, TOTAL	77,987	104,278	-25.2	166,300	212,976	-21.9	77,413	106,725	-27.5	165,902	216,664	-23.4
Total Exports	1,385	1,892	-26.8	2,986	3,239	-7.8						
Total Domestic	76,602	102,386	-25.2	163,314	209,737	-22.1						
General Purpose Resins, Total	64,130	88,419	-27.5	135,894	181,414	-25.1						
General Purpose - Thixotropic	21,721	32,533	-33.2	47,486	68,718	-30.9						
General Purpose - Press Molding	8,575	11,962	-28.3	18,209	23,663	-23.0						
General Purpose - Panel	7,237	5,564	30.1	13,081	13,383	-2.3						
General Purpose - All Other	26,597	38,360	-30.7	57,118	75,650	-24.5						
Flame Retardant Resins	1,709	2,097	-18.5	3,361	4,093	-17.9						
Chemical Resistant Resins, Total	10,763	11,870	-9.3	24,059	24,230	-0.7						
Chemical Resistant Isophthalic Resins	7,190	8,679	-17.2	16,862	17,441	-3.3						
All Other Chemical Resistant Resins	3,573	3,191	12.0	7,197	6,789	6.0						
Reinforced Plastic, Total	54,129	76,619	-29.4	116,993	155,892	-25.0						
Non-Reinforced Plastics, Total	22,473	25,767	-12.8	46,321	53,845	-14.0						

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)(1)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	%CHG	1991	1990	% CHG	1991	1990	% CHG
UREA RESINS, TOTAL (E)	111,524	122,909	-9.3	232,517	254,026	-8.5	111,894	123,101	-9.1	233,298	253,894	-8.1
MELAMINE RESINS, TOTAL (E)	13,754	12,281	12.0	27,948	25,963	7.6	15,738	14,865	5.9	32,620	30,385	7.4
UREA & MELAMINE RESINS, TOTAL (E)	125,278	135,190	-7.3	260,465	279,989	-7.0	127,632	137,966	-7.5	265,918	284,279	-6.5
Total Exports	D1	D1		D1	D1							
Total Domestic	125,278	135,190	-7.3	260,465	279,989	-7.0						
Textile Coating & Treating Resins	1,380	2,914	-52.6	2,906	6,073	-52.1	1,639	4,141	-60.4	3,492	7,419	-52.9
Paper Coating & Treating Resins	4,219	3,481	21.2	8,362	7,084	18.0	4,363	3,769	15.8	8,744	7,435	17.6
Molding Compounds	D2	D2		D2	D2		D2	D2		D2	D2	
Bonding & Adhesive Resins for:	100,778	108,027	-6.7	210,121	223,848	-6.1	101,018	108,464	-6.9	209,931	224,145	-6.3
Laminating	1,296	2,563	-49.4	3,003	5,189	-42.1	1,303	2,527	-48.4	3,063	5,216	-41.3
Plywood	4,822	2,776	73.7	9,444	7,578	24.6	4,727	2,947	60.4	9,318	7,629	22.1
Fibrous & Granulated Wood (Particle Board)	94,660	102,688	-7.8	197,674	211,081	-6.4	94,988	102,990	-7.8	197,550	211,300	-6.5
Protective Coatings (Straight & Modified)	8,067	6,944	16.2	16,184	14,476	11.8	10,651	9,316	14.3	21,952	19,399	13.2
All Other Uses	10,834	13,824	-21.6	22,892	28,508	-19.7	9,961	12,276	-18.9	21,799	25,881	-15.8
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	192,336	235,244	-18.2	419,946	490,973	-14.5	191,353	235,377	-18.7	421,943	491,603	-14.2
Total Exports	1,163	1,762	-34.0	2,096	3,013	-30.4						
Total Domestic	191,173	233,482	-18.1	417,850	487,960	-14.4						
Molding Compounds	13,651	13,842	-1.4	26,498	26,415	0.3	14,465	15,821	-8.6	27,247	29,436	-7.4
Bonding & Adhesive Resins for:	174,619	216,597	-19.4	385,268	455,565	-15.4	176,690	216,213	-18.3	387,823	455,223	-14.8
Laminating	10,966	13,136	-16.5	25,941	28,877	-10.5	10,815	13,157	-17.8	25,747	28,865	-10.8
Coated & Bonded Abrasives	D3	2,344		D3	4,521		D3	2,427		D3	4,293	
Friction Materials	3,280	3,643	-10.0	6,441	7,178	-10.3	3,247	3,641	-10.8	6,899	7,850	-12.1
Insulation Materials	30,181	35,800	-15.7	63,751	70,341	-9.4	30,390	35,765	-15.0	64,027	70,055	-8.6
Foundry & Shell Molding	5,731	5,828	-1.7	11,759	11,632	1.1	5,711	5,745	-0.6	12,007	11,306	6.2
Plywood	D3	D3		D3	D3		D3	D3		D3	D3	
Fibrous and Granulated Wood	D3	D3		D3	D3		D3	D3		D3	D3	
Resins Sold to Rubber Industry	D3	D3		D3	D3		D3	D3		D3	D3	
All Other	124,461	155,846	N/C	277,476	333,016	N/C	126,527	155,478	N/C	279,143	332,854	N/C
Protective Coatings - Unmodified & Modified	D2	D2		D2	D2		D2	D2		D2	D2	
Resins Sold to Rubber Ind. - Non Adhesive Uses	D2	D2		D2	D2		D2	D2		D2	D2	
All Other Uses	2,903	3,043	-4.6	6,084	5,980	1.7	198	3,343	-94.1	6,873	6,944	-1.0

(E) = Estimate – Data include estimates for one company.
D1 = Disclosure: Included in Domestic, Total and All Other Uses.
D2 = Disclosure: Included in All Other Uses.
D3 = Disclosure: Included in All Other Bonding & Adhesive Resins.

(1) = Phenolic is on a Gross Weight Basis.
N/C = Not Comparable.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	%CHG	1991	1990	% CHG	1991	1990	% CHG
LOW DENSITY POLYETHYLENE - 0.940 & BELOW, TOTAL (6)	533,084	551,397	-3.3	1,090,671	1,139,429	-4.3	585,509	576,858	1.5	1,112,049 R	1,171,120	-5.0
Imports, Total							9,729	15,944	-39.0	24,486	26,518	-7.7
Exports, Total	115,861	62,345	85.8	221,258 R	137,999	60.3						
Domestic, Total	417,223	489,052	-14.7	869,413 R	1,001,430	-13.2	575,780	560,914	2.7	1,087,563 R	1,144,602	-5.0
Film (12 Mils & Below)	239,955	293,853	-18.3	507,590	590,723	-14.1						
Packaging Film	167,598	201,821	-17.0	354,782	403,916	-12.2						
Food Packaging Film	85,487	95,357	-10.4	178,253	201,320	-11.5						
Non-Food Packaging Film	65,731	83,902	-21.7	141,602	154,517	-8.4						
Shrink Film	7,595	12,238	-37.9	17,049	26,177	-34.9						
Stretch Film	8,785	10,324	-14.9	17,878	21,902	-18.4						
Non-Packaging Film	72,357	92,032	-21.4	152,808	186,807	-18.2						
Carry-Out Bags	8,234	6,942	18.6	16,253	13,971	16.3						
Trash and Can Liners	18,941	27,831	-31.9	43,000	57,026	-24.6						
Other Non-Packaging Film	45,182	57,259	-21.1	93,555	115,810	-19.2						
Sheet (Over 12 Mils)	5,383	5,248	2.6	10,790	10,418	3.6						
Injection Molding	17,276	33,632	-48.6	34,989	63,539	-44.9						
Injection Molded Lids	3,936	6,519	-39.6	7,291	13,343	-45.4						
Injection Molded Housewares	4,721	3,940	19.8	8,299	8,414	-1.4						
Other Injection Molding	8,619	23,173	-62.8	19,399	41,782	-53.6						
Wire and Cable	15,432	16,283	-5.2	31,692	34,928	-9.3						
Extrusion Coating	63,571	57,652	10.3	126,755	125,524	1.0						
Blow Molding	5,297	4,146	27.8	11,068	9,660	14.6						
Pipe and Conduit, Total	D5	D5		D5	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	5,840	6,913	-15.5	11,915	15,473	-23.0						
Rotomolding	D2	D2		D2	D2							
Resellers & Compounders, Total	50,709	40,318	25.8	99,567 R	86,258	15.4						
Resellers	34,226	29,767	15.0	68,820 R	60,396	13.9						
Compounders	16,483	10,551	56.2	30,747	25,862	18.9						
Adhesives and Sealants	10,051	8,661	16.0	21,084 R	17,749	18.8						
All Other Uses	3,709	22,346	-83.4	13,963 R	47,158	-70.4						

D2 = Disclosure: Included in All Other Uses.

D5 = Disclosure: Included in Other Extruded Products.

(6) = Sales include Imports.

D = Disclosure

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	%CHG	1991	1990	% CHG	1991	1990	% CHG
LINEAR LOW DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	328,767	364,537	-9.8	707,430 R	700,033	1.1	362,213	345,831	4.7	759,425 R	675,733	12.4
Imports, Total							45,002	73,847	-39.1	105,484	127,172	-17.1
Exports, Total	33,182	20,716	60.2	74,037 R	36,696	101.8						
Domestic, Total	295,585	343,821	-14.0	633,393 R	663,337	-4.5	317,211	271,984	16.6	653,941 R	548,561	19.2
Film (12 Mils & Below)	190,852	223,171	-14.5	413,776 R	426,540	-3.0						
Packaging Film	87,534	99,216	-11.8	190,117	195,439	-2.7						
Food Packaging Film	14,422	17,902	-19.4	34,812	34,225	1.7						
Non-Food Packaging Film	32,241	52,991	-39.2	69,781	105,483	-33.8						
Shrink Film	D10	D10		D10	D10							
Stretch Film	40,871	28,323	44.3	85,524	55,731	53.5						
Non-Packaging Film	103,318	123,955	-16.6	223,659 R	231,101	-3.2						
Carry-Out Bags	18,907	19,245	-1.8	40,433	38,955	3.8						
Trash and Can Liners	70,429	83,725	-15.9	152,659 R	151,782	0.6						
Other Non-Packaging Film	13,982	20,985	-33.4	30,567 R	40,364	-24.3						
Sheet (Over 12 Mils)	2,685	5,318	-49.5	10,399 R	8,434	23.3						
Injection Molding	39,530	37,580	5.2	80,970 R	73,176	10.7						
Injection Molded Lids	12,520	15,823	-20.9	25,575	29,557	-13.5						
Injection Molded Housewares	20,338	13,618	49.3	40,992	26,502	54.7						
Other Injection Molding	6,672	8,139	-18.0	14,403 R	17,117	-15.9						
Wire and Cable	9,332	11,964	-22.0	18,727	23,726	-21.1						
Extrusion Coating	D5	D5		D5	D5							
Blow Molding	920	2,332	-60.5	2,462 R	4,432	-44.4						
Pipe and Conduit, Total	4,101	4,140	-0.9	6,699 R	8,041	-16.7						
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	2,859	2,024	41.3	5,281 R	5,251	0.6						
Rotomolding	14,176	29,546	-52.0	29,086	55,941	-48.0						
Resellers & Compounders, Total	23,320	16,954	37.5	51,175 R	36,166	41.5						
Resellers	12,924	9,301	39.0	33,787	20,351	66.0						
Compounders	10,396	7,653	35.8	17,388 R	15,815	9.9						
Adhesives and Sealants	D2	D2		D2	D2							
All Other Uses	7,810	10,792	-27.6	14,818 R	21,630	-31.5						

D2 = Disclosure: Included in All Other Uses.

D5 = Disclosure: Included in Other Extruded Products.

D10 = Disclosure: Shrink Film is Included in Stretch Film.

(6) = Sales Include Imports.

D = Disclosure

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	%CHG	1991	1990	% CHG	1991	1990	% CHG
HIGH DENSITY POLYETHYLENE – ABOVE 0.940. TOTAL (6)	655,943	635,209	3.3	1,362,584 R	1,301,098	4.7	720,256	636,558	13.1	1,432,192	1,286,458	11.3
Imports, Total							24,351	20,355	19.6	46,888	35,350	32.6
Exports, Total	78,547	49,017	60.2	158,053 R	116,668	35.5						
Domestic, Total	577,396	586,192	-1.5	1,204,531 R	1,184,430	1.7	695,905	616,203	12.9	1,385,304	1,251,108	10.7
Film (12 Mils & Below)	71,351	67,649	5.5	150,461 R	135,495	11.0						
Packaging Film	15,896	19,415	-18.1	33,369 R	42,011	-20.6						
Food Packaging Film	11,690	13,747	-15.0	25,307	24,080	5.1						
Non-Food Packaging Film	4,206	5,668	-25.8	8,062 R	17,931	-55.0						
Non-Packaging Film	55,455	48,234	15.0	117,092 R	93,484	25.3						
Retail Bags	45,458	38,765	17.3	93,195 R	72,549	28.5						
Grocery Sacks & T-Shirt Bags	23,322	19,462	19.8	46,246	39,347	17.5						
All Other Retail Bags	22,136	4,419	N/C	46,949 R	8,295	N/C						
Trash Bags/Can Liners	D9	14,884		D9	24,907							
All Other Non-Packaging Film	9,997	9,469	5.6	23,897 R	20,935	14.1						
Sheet (Over 12 Mils)	24,892	28,512	-12.7	49,786 R	62,155	-19.9						
Injection Molding, Total	120,001	112,367	6.8	252,648 R	228,048	10.8						
Pails (5 gallons or less)	40,490	33,844	19.6	74,878 R	63,787	17.4						
Housewares	8,353	8,732	-4.3	15,141	16,198	-6.5						
Food Tubs/Containers & Drink Cups	22,347	22,606	-1.1	53,204	46,610	14.1						
Crates and Totes	14,459	12,472	15.9	31,020	28,838	7.6						
Toys/Novelties/Sporting Goods	5,184	4,165	24.5	9,898	9,019	9.7						
Caps and Closures	6,636	8,972	-26.0	16,896	18,058	-6.4						
All Other Injection Molding	22,532	21,576	4.4	51,611 R	45,538	13.3						
Wire and Cable	11,569	13,646	-15.2	23,588	26,377	-10.6						
Blow Molding, Total	201,146	227,094	-11.4	434,325 R	482,570	-10.0						
Motor Oil Bottles	9,537	16,361	-41.7	24,931	41,090	-39.3						
Liquid Food Bottles	70,170	77,731	-9.7	149,669 R	159,502	-6.2						
Household Chemical Bottles	60,140	67,705	-11.2	126,251	144,230	-12.5						
Industrial Drums	13,643	13,212	3.3	27,816	26,859	3.6						
Gas Tanks, All Uses	2,416	2,564	-5.8	5,366	5,659	-5.2						
Pharm., Cosmetics, & Toiletries	15,141	16,421	-7.8	33,002	37,232	-11.4						
All Other Blow Molding	30,099	33,100	-9.1	67,290 R	67,998	-1.0						
Pipe and Conduit, Total	38,873	39,016	-0.4	74,033 R	64,088	15.5						
Corrugated	5,528	5,911	-6.5	10,063 R	13,123	-23.3						
Non-Corrugated	33,345	33,105	0.7	63,970 R	50,965	25.5						
Gas Distribution	12,998	10,414	24.8	21,383	17,032	25.5						
Water	4,315	D11		13,255	D11							
Industrial/Sewer	12,924	D11		24,214	D11							
All Other Non-Corrugated Pipe	3,108	22,691	N/C	5,118 R	33,933	N/C						
Other Extruded Products	7,364	5,943	23.9	15,381 R	13,166	16.8						
Rotomolding	7,205	4,875	47.8	19,542	11,835	65.1						
Reseller & Compounders, Total	75,497	60,751	24.3	148,666 R	118,006	26.0						
Resellers	69,919	57,429	21.7	138,294	112,581	22.8						
Compounders	5,578	3,322	67.9	10,372 R	5,425	91.2						
All Other HDPE	19,498	26,339	-26.0	36,101 R	42,690	-15.4						

D9 = Disclosure: Included in All Other Retail Bags.
D11 = Disclosure: Included in All Other Non-Corrugated Pipe.
(6) = Sales Include Imports.
N/C = Not Comparable.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	%CHG	1991	1990	% CHG	1991	1990	% CHG
POLYPROPYLENE, TOTAL (6)	607,372	658,577	-7.8	1,276,992	1,362,729	-6.3	639,743	N/A		1,344,342 R	N/A	
Imports, Total							1,170	N/A		4,132	N/A	
Exports, Total	126,199	116,537	8.3	261,778 R	271,110	-3.4						
Domestic, Total	481,173	542,040	-11.2	1,015,214 R	1,091,619	-7.0	638,573	666,423	-4.2	1,340,210 R	1,336,198	0.3
Injection Molding, Total	144,312	164,875	-12.5	300,914 R	322,511	-6.7						
Appliances	13,285	16,086	-17.4	25,798	30,439	-15.2						
Consumer Products	52,586	56,004	-6.1	108,415	101,544	6.8						
Rigid Packaging	47,328	53,812	-12.0	100,820 R	112,531	-10.4						
Transportation	16,369	24,411	-32.9	36,678	47,013	-22.0						
All Other Injection Molding	14,744	14,562	1.2	29,203 R	30,984	-5.7						
Blow Molding	12,378	12,657	-2.2	25,722 R	24,081	6.8						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below), Total	50,513	49,696	1.6	105,412	97,361	8.3						
Oriented Film	37,272	41,191	-9.5	77,199	76,727	0.6						
Non-Oriented Film	13,241	8,505	55.7	28,213	20,634	36.7						
Sheet (Over 10 Mils), Total	11,598	10,218	13.5	21,189	23,208	-8.7						
Packaging	6,472	D		13,128 R	D							
Non-Packaging	5,126	D		8,061 R	D							
Extrusion Coating	1,200	2,284	-47.5	2,654 R	3,410	-22.2						
Wire and Cable	D5	D5		D5	D5							
Fiber and Filaments, Total	146,032	179,044	-18.4	309,285 R	349,560	-11.5						
Textile Applications	138,890	169,903	-18.3	290,688 R	323,977	-10.3						
Nonwovens	47,350	54,489	-13.1	92,763	103,537	-10.4						
Monofilament & Multifilament Fibers	49,178	60,315	-18.5	105,450	120,100	-12.2						
Slit Film Fibers	42,362	55,099	23.1	92,475 R	100,340	-7.8						
Non-Textile Monofilaments	7,142	9,141	-21.9	18,597	25,583	-27.3						
Pipe and Conduit	D5	D5		D5	D5							
Other Extruded Products	6,130	6,341	-3.3	13,121	16,152	-18.8						
Resellers/Distributors/Compounders, Total	103,286	111,314	-7.2	228,139 R	244,778	-6.8						
Resellers	40,121	35,422	13.3	98,059 R	98,995	-0.9						
Distributors	23,176	30,656	-24.4	43,356	57,007	-23.9						
Compounders	39,989	45,236	-11.6	86,724 R	88,776	-2.3						
All Other Uses	5,724	5,611	2.0	8,778 R	10,558	-16.9						

D5 = Disclosure: Included in Other Extruded Products.
(6) = Sales Include Imports.

N/A = Not Available
D = Disclosure

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	%CHG	1991	1990	% CHG	1991	1990	% CHG
POLYSTYRENE RESINS, TOTAL	347,467	456,870	-23.9	736,797 R	893,404	-17.5	384,533	371,984	3.4	770,823	789,017	-2.3
Crystal (Solid) Polystyrene	141,240	237,719	N/C	304,959	466,752	N/C	158,310	155,313	1.9	318,761	318,947	-0.1
Rubber Modified Polystyrene	159,354	219,151	-27.3	338,370	426,652	-20.7	177,169	162,051	9.3	348,203	356,714	-2.4
Expandable Polystyrene	46,873	D13		93,468 R	D13		49,054	54,620	-10.2	103,859	113,356	-8.4
Exports, Total	19,306	13,364	44.5	34,422	29,519	16.6						
Crystal (Solid) Polystyrene	8,426	6,519	N/C	17,580	14,666	N/C						
Rubber Modified Polystyrene	6,410	6,845	-6.4	8,805	14,853	-40.7						
Expandable Polystyrene	4,470	D13		8,037	D13							
Domestic, Total	328,161	443,506	-26.0	702,375 R	863,885	-18.7						
Molding	113,359	155,882	-27.3	248,167 R	303,839	-18.3						
Extrusion	164,354	219,424	-25.1	349,870 R	425,593	-17.8						
Expandable Polystyrene	42,098	55,461	-24.1	84,614 R	107,044	-21.0						
Block	15,662	19,742	-20.7	28,494 R	35,742	-20.3						
Shape	9,965	13,442	-25.9	18,413 R	25,099	-26.6						
Loose Fill	D6	D6		D6	D6							
Other EPS	16,471	22,277	-26.1	37,707 R	46,203	-18.4						
All Other Uses	8,350	12,739	-34.5	19,724	27,409	-28.0						
Polystyrene End-Uses, Total	328,161	443,506	-26.0	702,375 R	863,885	-18.7						
Packaging & One Time Use	131,637	178,262	-26.2	282,871	343,447	-17.6						
Consumer & Institutional Products	36,782	51,580	-28.7	79,648	97,687	-18.5						
Electrical/Electronics	49,378	57,989	-14.8	103,306	118,098	-12.5						
Furniture,Furnishings,Bldg. & Construction	15,203	26,369	-42.3	39,166	51,801	-24.4						
Expandable Polystyrene	42,098	55,461	-24.1	84,614 R	107,044	-21.0						
Resellers and Compounders	44,730	59,136	-24.4	96,534	115,946	-16.7						
All Other End-Uses	8,333	14,709	-43.3	16,236	29,862	-45.6						

D6 = Disclosure: Included in Other EPS
D13 = Disclosure: Included in Crystal (Solid) Polystyrene

N/C – Not Comparable

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	%CHG	1991	1990	% CHG	1991	1990	% CHG
ABS (ACRYLONITRILE-BUTADIENE-STYRENE), TOTAL	74,314	85,918	-13.5	168,664	177,617	-5.0	76,409	77,563	-1.5	166,084	169,727	-2.1
SAN (STYRENE-ACRYLONITRILE), TOTAL	9,092	9,447	-3.8	19,806	20,266	-2.3	9,515	10,025	-5.1	19,829	20,420	-2.9
Total Exports	3,119	2,616	19.2	7,180	6,992	2.7						
Total Domestic	5,973	6,831	-12.6	12,626	13,274	-4.9						
OTHER STYRENICS (40% OR MORE STYRENE), TOTAL	12,108	10,728	12.9	24,849	23,230	7.0	12,107	10,030	20.7	24,125	23,245	3.8
ABS, SAN, & OTHER STYRENICS, TOTAL	95,514	106,093	-10.0	213,319	221,113	-3.5	98,031	97,618	0.4	210,038	213,392	-1.6
Total Exports	18,405	13,203	39.4	41,303	32,246	28.1						
Total Domestic	77,109	92,890	-17.0	172,016	188,867	-8.9						
Electrical/Electronics	D2	D2		D2	D2							
Building & Construction	6,197	13,263	-53.3	16,358	23,442	-30.2						
Transportation	2,135	29,226	-24.3	48,821	57,337	-14.9						
Consumer & Institutional	11,337	12,390	-8.5	24,013	26,631	-9.8						
All Other Uses	37,440	38,011	-1.5	82,824	81,457	1.7						
STYRENE BASED LATEXES, TOTAL* (E)	77,767	85,594	-9.1	166,342	174,563	-4.7	77,368	76,583	1.0	161,671	164,864	-1.9
Carpet Backing	27,487	33,125	-17.0	56,729	64,455	-12.0						
All Other Uses	50,280	52,469	-4.2	109,613	110,108	-0.4						
NYLON RESINS, TOTAL(6)	51,476	43,494	18.4	97,550	87,562	11.4	N/A	N/A		N/A	N/A	
Imports, Total							N/A	N/A		N/A	N/A	
Exports, Total	8,649	4,870	77.6	15,330	11,175	37.2						
Domestic, Total	42,827	38,624	10.9	82,220	76,387	7.6	43,499	42,245	3.0	88,040	90,414	-2.6
Injection Molding Grade	26,776	23,005	16.4	50,025	44,535	12.3						
Extrusion Grade	11,990	12,235	-2.0	25,034	24,665	1.5						
Resellers & Compounders	3,207	2,694	19.0	5,534	5,856	-5.5						
All Other Uses	854	690	23.8	1,627	1,331	22.2						
Nylon End-Uses, Total	42,827	38,624	10.9	82,220	76,387	7.6						
Automotive and Truck	15,144	11,997	26.2	28,710	23,783	20.7						
Electrical and Electronic	5,622	5,501	2.2	9,930	10,053	-1.2						
Appliances	1,553	1,092	42.2	2,764	1,971	40.2						
Film and Coating	5,746	5,656	1.6	11,794	11,476	2.8						
Wire and Cable	2,735	2,815	-2.8	5,317	5,786	-8.1						
Monofilament	1,810	1,914	-5.4	3,405	3,772	-9.7						
Consumer	1,798	1,279	40.6	3,659	2,927	25.0						
Industrial/Machinery	4,058	3,688	10.0	7,846	7,435	5.5						
All Other End-Uses	4,361	4,682	-6.9	8,795	9,184	-4.2						

* – Styrene Based Latexes Sales include some Canadian produced material.
D2 = Disclosure: Included in All Other Uses.
(E) = Estimate – Data include estimates for one company.

N/A = Not Available.
(6) – Includes sales from imports.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	%CHG	1991	1990	% CHG	1991	1990	% CHG
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (DRY RESIN CONTENT)	685,030	772,246	-11.3	1,396,090	1,517,640	-8.0	718,293	725,199	-1.0	1,445,437	1,447,076	-0.1
Homopolymer Resins, Including Blending & Latex	631,304	712,482	-11.4	1,289,727 R	1,405,918	-8.3	654,142	663,741	-1.4	1,323,075 R	1,323,802	-0.1
Copolymer Resins, Including Blending & Latex	13,633	21,747	-37.3	26,953 R	36,134	-25.4	22,331	17,898	24.8	39,984 R	35,513	12.6
Dispersion Resins	40,093	38,017	5.5	79,410 R	75,588	5.1	41,820	43,560	-4.0	82,378 R	87,761	-6.1
Exports, Total	130,366	73,551	77.2	246,756 R	176,603	39.7						
Domestic, Total	554,664	698,695	-20.6	1,149,334 R	1,341,037	-14.3						
Calendering, Total	82,119	84,681	-3.0	157,971 R	165,915	-4.8						
Flooring	16,008	19,891	-19.5	31,167 R	36,208	-13.9						
Textile	9,395	8,492	10.6	18,521 R	18,772	-1.3						
All Other Calendering Uses	56,716	56,298	0.7	108,283 R	110,935	-2.4						
Coating, Total	25,031	25,469	-1.7	48,387 R	50,906	-4.9						
Flooring	12,527	10,433	20.1	23,970 R	21,166	13.2						
Textile and Paper Coating	7,132	7,268	-1.9	13,719 R	14,559	-5.8						
Protective Coatings	3,247	3,975	-18.3	6,376 R	7,877	-19.1						
Adhesives & All Other Coating Uses	2,125	3,793	-44.0	4,322 R	7,304	-40.8						
Extrusion, Total	362,810	480,489	-24.5	764,991 R	910,009	-15.9						
Wire and Cable	26,687	32,074	-16.8	52,023 R	66,315	-21.6						
Film and Sheet, Packaging	22,734	30,854	-26.3	43,979 R	57,105	-23.0						
Film and Sheet, Non-Packaging	3,568	4,528	-21.2	8,056 R	8,047	0.1						
Siding, Siding Acc. & Mobile Home Skirting	56,150	73,302	-23.4	122,160 R	139,081	-12.2						
Rigid Pipe and Tubing (except fittings)	214,386	290,180	-26.1	458,929 R	538,369	-14.8						
Extruded Windows and Doors	8,845	N/A		16,991 R	N/A							
All Other Extrusion Uses	30,440	49,551	N/C	62,853 R	101,092	N/C						
Molding, Total	34,685	42,953	-19.2	75,345 R	87,543	-13.9						
Bottles	14,941	18,387	-18.7	31,128 R	36,052	-13.7						
Fittings (Rigid Pipe and Tubing)	14,884	13,118	13.5	32,417 R	26,671	21.5						
All Other Molding Uses	4,860	11,448	-57.5	11,800 R	24,820	-52.5						
Paste Processes (except coating), Total	14,118	13,753	2.7	28,850 R	27,744	4.0						
Plastisol Formulation	7,815	7,473	4.6	16,226 R	14,827	9.4						
All Other Paste Process Uses	6,303	6,280	0.4	12,624 R	12,917	-2.3						
Resellers & Compounders	31,252	32,937	-5.1	64,734 R	61,800	4.7						
All Other Uses	4,649	18,413	-74.8	9,056 R	37,120	-75.6						

N/A – Not Available

N/C = Not Comparable

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1991	1990	% CHG	1991	1990	%CHG	1991	1990	% CHG	1991	1990	% CHG
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)												
Exports, Total												
Domestic, Total												
Emulsion Paints												
Adhesives, Caulks and Sealants												
Paper Treating & Paper Coating												
Textile Treating												
Non-Woven Binders												
All Other Uses												
POLYVINYL ALCOHOL, TOTAL (3)												
Exports, Total												
Domestic, Total												
OTHER VINYL RESINS, TOTAL (4)	17,134	16,731	2.4	31,117	34,186	-9.0	14,700	20,230	-27.3	31,447	40,359	-22.1
Exports, Total	8,647	5,237	65.1	13,218	11,540	14.5						
Domestic, Total	8,487	11,494	-26.2	17,899	22,646	-21.0						
THERMOPLASTIC POLYESTER, TOTAL (6)	141,327	138,793	1.8	310,238	281,251	10.3	138,972	138,898	0.1	307,222	276,467	11.1
Exports, Total	37,177	22,373	66.2	91,745	51,647	77.6						
PET Bottle Grade Resin, Exports	D	D		D	D							
All Other Exports	D	D		D	D							
Domestic, Total	104,150	116,420	-10.5	218,493	229,604	-4.8						
Domestic PET	N.R.	N.R.		N.R.	N.R.							
Solid State Phase Resin	D12	D12		D12	D12							
PET Bottle Grades	69,487	79,364	-12.4	149,603	160,105	-6.6						
PET/PBT Resellers & Compounders	N.R.4	N.R.4		N.R.4	N.R.4							
All Other Thermoplastic Polyester	34,663	37,056	-6.5	68,890	69,499	-0.9						

(2) – The publishing of PVAC data has been suspended.

(3) – The publishing of PVOH data has been suspended.

(4) – Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

D12 = Disclosure: Included in All Other Thermoplastic Polyester.

N.R.4 = Not Reported: Included in All Other Thermoplastic Polyester.

R = Revision.

N.R. = Not Reported

D = Disclosure

(6) – Includes sales from imports.

The Society of the
Plastics Industry, Inc.

Monthly Statistical Report-Resins

SPI

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FOR THE MONTH AND PERIOD ENDED

JANUARY 31, 1991

DATA FOR CALCULATING
APPARENT CONSUMPTION OF
THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

Release Date: April 16, 1991

THE SOCIETY OF THE PLASTICS INDUSTRY, INC. CRS

MONTHLY STATISTICAL REPORT

(Millions of pounds, dry weight basis)(1) JANUARY 1991

RESIN KIND	JANUARY				YEAR-TO-DATE			
	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*
EPOXY RESIN, TOTAL	39.9	29.9	1.3	9.8	39.9	29.9	1.3	9.8
POLYESTER (UNSATURATED) RESINS, TOTAL	88.5	86.7	0.5	8.8	88.5	86.7	0.5	8.8
UREA RESINS, TOTAL **	121.4	121.0	1.7	2.2	121.4	121.0	1.7	2.2
MELAMINE RESINS, TOTAL **	16.9	14.2	0.5	1.7	16.9	14.2	0.5	1.7
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	230.6	226.7	3.2	6.1	230.6	226.7	3.2	6.1
THERMOSETTING RESINS, TOTAL	497.3	478.5	7.2	28.6	497.3	478.5	7.2	28.6
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	615.8	451.4	14.3	77.3	615.8	451.4	14.3	77.3
LINEAR LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	336.7	337.1	61.2	46.2	336.7	337.1	61.2	46.2
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL (6)	689.4	631.3	41.8	98.8	689.4	631.3	41.8	98.8
POLYPROPYLENE, TOTAL (6)	701.4	534.6	4.8	179.3	701.4	534.6	4.8	179.3
ABS RESINS, TOTAL ** (ACRYLONITRILE-BUTADIENE-STYRENE)	89.7	94.4	5.5	17.7	89.7	94.4	5.5	17.7
SAN (STYRENE-ACRYLONITRILE) RESINS, TOTAL	10.3	6.7	0.5	4.8	10.3	6.7	0.5	4.8
OTHER STYRENICS **	96.3	101.3	0.3	15.7	96.3	101.3	0.3	15.7
POLYSTYRENE RESINS, TOTAL	386.3	374.3	4.3	25.7	386.3	374.3	4.3	25.7
NYLON RESINS, TOTAL (6)	44.6	39.4	6.1	13.0	44.6	39.4	6.1	13.0
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	727.1	599.8	6.1	117.3	727.1	599.8	6.1	117.3
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (4)								
POLYVINYL ALCOHOL, TOTAL (4)								
OTHER VINYL RESINS	16.7	9.4	N/A	N/A	16.7	9.4	N/A	N/A
THERMOPLASTIC POLYESTER, TOTAL (6)	168.3	114.3	5.2	45.5	168.3	114.3	5.2	45.5
THERMOPLASTIC RESINS, TOTAL	3,882.6	3,294.0	150.1	641.3	3,882.6	3,294.0	150.1	641.3
GRAND TOTAL	4,379.9	3,772.5	157.3	669.9	4,379.9	3,772.5	157.3	669.9

(1) = Except phenolic resins which are reported on a gross weight basis.

(4) = The publishing of PVOH and PVAC data is temporarily suspended.

* Except for Epoxy Resin, Bureau of Census exports will differ from exports published in the SPI Monthly Statistical Report.

** = Domestic Sales include Exports.

(6) = Data includes Sales from Imports.

Monthly and Year-To-Date totals may not agree due to government revisions and rounding.

N/A = Not Available

Sources: Sales and Production – SPI Monthly Statistical Report

Imports – Bureau of the Census (IM 145)

Exports – Bureau of the Census (EM 545)

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

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